



## Department of Energy

Nevada Operations Office  
P.O. Box 98518  
Las Vegas, NV 89193-8518

JAN 14 1999

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M. R. Anastasio, LLNL, L-160, Livermore, CA  
J. T. Mitchell, BN, Las Vegas, NV  
W. N. Ferguson III, WSI, Las Vegas, NV

### ACTIVITY AGREEMENT FOR THE DEVICE ASSEMBLY FACILITY (DAF)

Enclosed is a copy of the subject Activity Agreement, effective January 5, 1999, which was prepared in accordance with DOE/NV Directive M 450.X, Authorization and Activity Agreements for Facilities and Operations, and signed by the parties for implementation. This agreement fulfills the guiding principle, "*Operations Authorization--the conditions and requirements to be satisfied for operations to be initiated and conducted shall be clearly established and agreed-upon,*" for the DAF.

As you know, the agreement was developed with the cooperation of representatives of DOE/NV and your organization and will serve to enhance formality of our operations, improve our ability to efficiently indoctrinate personnel, and improve our ability to demonstrate our overall facility safety posture at the DAF. A documented common understanding of the DOE/NV basis for approval of operations and terms and conditions of operation are now established among the parties. The agreement references authorization basis documents applicable to the facility/operations; requirements, systems, and controls to govern the work; and the basis of DOE/NV's determination that the contractor/user organizations authorized to operate have the capability to meet established requirements. The Responsibility Matrix defines the responsibilities of the parties to the agreement.

During implementation, the Assistant Manager for National Security will serve as the DOE/NV focal point for maintaining this agreement. Any changes which may be needed in the future should be directed to Carl P. Gertz, Acting Assistant Manager for National Security.

Your cooperation and the support provided by your staff on development of this agreement over the past several months is greatly appreciated.

G. W. Johnson  
Manager

AMNS:MPK-99-003  
AOM 7

Enclosure:  
As stated

**JAN 14 1999**

Multiple Addressees

-2-

cc w/encl:

G. R. Papazian, LANL, F-670, Los Alamos, NM  
R. L. Higgs, LANL, M/S 900, Mercury, NV  
W. E. Cooper, LLNL, L-149, Livermore, CA  
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T. W. Habermas, BN, NTS, Las Vegas, NV

JAN 14 1999

bcc w/encl:

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J. M. McGrail, STD, DOE/NV, Las Vegas, NV  
J. L. Leppert, STD, DOE/NV, Las Vegas, NV  
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Activity Agreement  
for the  
Device Assembly Facility  
Area 6, Nevada Test Site

**1. Scope of the Agreement.**

This activity agreement applies to all activities related to the management and operation of the Device Assembly Facility (DAF) and nuclear explosive operations conducted therein. As identified in the authorization basis for the facility, nuclear explosive operations generally include assembly, disassembly or modification, staging, transportation, and testing of nuclear explosives or explosives components. Other activities and operations related to the DOE's Stockpile Stewardship Program may be authorized at the DAF provided that the unreviewed safety question (USQ) process has been used to determine that the safety envelope established in the authorization basis (Section 3) is not violated and the appropriate safety documentation (e.g. Hazard Assessment, Nuclear Explosive Safety Study) has been completed.

**2. Participants Roles and Responsibilities.**

The DAF is managed on behalf of the Nevada Operations Office (NV) by the DAF Manager. The DAF Manager, who has safety coordination responsibility, is an employee of either Lawrence Livermore National Laboratory (LLNL) or Los Alamos National Laboratory (LANL), nominated by the Nuclear Explosive Assembly Facility Committee, and appointed by the appropriate Laboratory management, subject to the approval of the DOE/NV Manager. The DAF Manager acts as an agent of the DOE/NV Manager. Bechtel Nevada (BN) provides engineering, logistical support, construction, operations and maintenance services under a Protocol Agreement transmitted by BN letter N100-EM-97-003, dated April 4, 1997. BN also maintains the State permits for the underground storage tanks and sewage lagoons. Wackenhut Services Incorporated (WSI) provides security services including security alarm systems maintenance. The attached Responsibility Matrix specifically addresses and identifies the respective roles and responsibilities of the organizations involved in the conduct of the work.

**3. DOE Basis for Approval.**

The DOE basis for approval for the DAF is:

**a. Authorization Basis Documents<sup>1</sup>.**

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<sup>1</sup> All references to the three authorization basis documents, the Safety Analysis Report, the Environmental Assessment, and the Nuclear Explosive Safety Study, are to the one in force at the time this AA was executed. As documents are updated, it is understood the most current version will apply. This will eliminate the need to update this AA as authorization basis documents are updated. DOE approves these documents and any changes thereto.

- (1) Safety Analysis.
  - (a) *Device Assembly Facility Final Safety Analysis Report*, which includes Operational Safety Requirements (OSRs) and administrative controls (NTS: DAF:DDT:078:95, March 31, 1995).
  - (b) *Nevada Test Site Device Assembly Facility Safety Evaluation Report*, U.S. Department of Energy, Nevada Operations Office (August 1995).
  - (c) DOE/NV-approved implementation of Safety Evaluation Report findings for the DAF (October 15, 1997).

These safety basis reports adequately document the analysis of the facility hazards, specify the controls necessary to prevent and mitigate those hazards, and define a safety management program that affords an acceptable level of safety to the public, the workers, and the environment.
- (2) Environmental Compliance.
  - (a) *Final Environmental Assessment for Device Assembly Facility Operations*, U.S. Department of Energy, Nevada Operations Office (DOE/EA-0971, May 1995).
  - (b) *Finding of No Significant Impact, Device Assembly Facility Operations*, U.S. Department of Energy, Nevada Operations Office (June 8, 1995).

These documents adequately ensure that DAF operations will not significantly impact the environment. In addition, the *Final Environmental Impact Statement for Nevada Test Site and Off-Site Locations* (DOE/EIS-0243) adequately analyzes and reviews the cumulative effects of operations at the DAF and other locations on the NTS. This determination is documented in the Record of Decision issued December 9, 1996.
- (3) Nuclear Explosive Safety
  - (a) *Nuclear Explosive Safety Study (NESS) of Assembly, Storage, and Transportation Operations at the Device Assembly Facility, Nevada Test Site* (January 19, 1997).
  - (b) *DAF Addendum to the Nuclear Explosive Safety Master Study of Security Operations at the NTS* (November 30, 1995).

- (c) DOE/NV 452.2a which implement the NESS recommendations and Nuclear Explosive Safety Rules.

These safety studies conclude that DAF operations are not a threat to nuclear explosive safety and meet Nuclear Explosive Safety Standards (a), (b), (c), and (e); the nuclear explosive safety criteria of DOE Order 5610.11 and NV 5610.11A; and the DOE/HQ NESS Interim Guidance of February 22, 1994. DOE/NV Safeguards and Security Division has determined that positive measures assure adequate security of nuclear devices to satisfy Nuclear Explosive Study Standard (d). The implementation of NESS recommendations and Nuclear Explosive Safety Rules have been met.

b. Standards.

The following rule and orders currently govern the operations at the DAF. See Section 6 of this agreement for a further discussion on the change to Work Smart Standards.

- 10 CFR 835 Occupational Radiation Protection
- DOE 1300.2A DOE Technical Standards Program
- DOE 1360.2B Unclassified Computer Security Program
- DOE 1540.2 Hazardous Material Packaging for Transport
- DOE 4330.4B Maintenance Management Program
- DOE 4700.1 Project Management System
- DOE O 232.1 Occurrence Reporting and Processing of Operations Information  
(the accompanying Manual, 232.1-1 is also adopted)
- DOE 5400.1 General Environmental Protection Program
- DOE 5400.5 Radiation Protection of the Public and the Environment
- DOE 5480.3 Safety Requirements for the Packaging and Transportation of Hazardous Materials, Hazardous Substances, and Hazardous Wastes
- DOE 5480.4 Environmental Protection, Safety, and Health Protection Standards
- DOE 5480.7A Fire Protection
- DOE 5480.8A Contractor Occupational Medical Program
- DOE 5480.10 Contractor Industrial Hygiene Program
- DOE 5480.15 DOE Laboratory Accreditation Program for Personal Dosimetry
- DOE 5480.16A Firearms Safety

DOE 5480.19 Conduct of Operations Requirements for DOE Facilities  
DOE 5480.20A Personnel Selection, Qualification, Training, and Staffing Requirements at DOE Reactor and Non-Reactor Nuclear Facilities  
DOE 5480.21 Unreviewed Safety Questions  
DOE 5480.22 Technical Safety Requirements  
DOE 5480.23 Chg 1 Nuclear Safety Analysis Reports  
DOE 5480.24 Nuclear Criticality Safety  
DOE 5480.28 Natural Phenomena Hazards Mitigation  
DOE 5480.29 Employee Concern Management  
DOE 5480.31 Startup and Restart of Nuclear Facilities  
DOE 5481.1B Safety Analysis and Review System  
DOE 5482.1B ES&H Appraisal Program  
DOE 5483.1A OSH Program for DOE Contractor Employees at GOCO Facilities  
DOE 5484.1 Environmental Protection, Safety, and Health Protection Information Reporting Requirements  
DOE O 151.1 Comprehensive Emergency Management System  
DOE 5500.6B Shutdown of Departmental Operations Upon Failure by Congress to Enact Appropriations  
DOE 5610.2 Control of Weapons Data  
DOE 5610.10 Nuclear Explosive and Weapon Safety Program  
DOE 5610.11 Nuclear Explosive Safety  
DOE 5700.6C Quality Assurance  
DOE 5820.2A Radioactive Waste Management  
DOE 6430.1A General Design Criteria

c. Permits.

- The facility use permits (FUP) 96-0004, 96-0005, and 96-0006.
- Underground storage tank (UST) permits 6-DAF-1 through -5.
- Sewage lagoon permit NEV87060.
- Water Permit #NY-5000-12NC

- d. Readiness Assessments/Reviews.
  - Device Assembly Facility Contractor Operational Readiness Review (CORR) Final Report, August 1997.
  - Device Assembly Facility (DAF) Contractor Operational Readiness Review (CORR) Validation, November 1997.
  - Department of Energy Operational Readiness Review for the Startup of Operations at the Combined Device Assembly Facility, Area 6, at Nevada Test Site, November 1997.
  - DAF Operational Readiness Review (ORR) Pre-Start Finding Closure Validation Report, April 2, 1998.
- 4. Terms and Conditions for Operations.

DAF operations and activities conducted under this agreement are subject to the following:

  - a. The DAF Manager shall be responsible to the DOE/NV Manager for the DAF and all operations conducted therein and shall ensure compliance of all operations with the requirements and controls specified in this agreement.
  - b. The DAF Manager shall maintain Plans and Procedures to implement the requirements of the authorization basis documents, standards, and permits and shall operate the facility within the analyses and/or controls established in the authorization basis documents specified in Section 3, "Basis for Authorization."
  - c. The DAF Manager shall assure that all security contractor station orders are reviewed and approved by a person knowledgeable in nuclear explosives safety prior to implementation.
  - d. The DAF Manager shall follow a formally approved process to assure that the facility and relevant programs are in an acceptable condition. Equipment and the facility must be maintained in a state of readiness through an approved maintenance and surveillance program between projects and activities.
  - e. The DAF Manager shall follow a formally approved process for reviewing all aspects of every project to assure that it falls within the authorization basis of the facility before introduction of the project into the DAF.
  - f. The DAF Manager shall ensure an operation-specific NESS (or hazard assessment in the case of subcritical experiments) is conducted by the entity performing project operations and provided to the DAF staff for review according to a

formally approved procedure prior to commencement of any nuclear explosive operation (or subcritical experiment).

- g. The DAF Manager shall establish and implement programs to address management, safety, and security concerns at the facility. The DOE/NV DAF Project Manager shall verify that necessary programs, plans, and procedures meet the requirements of this agreement and that DOE/NV has conducted necessary reviews of these programs.

5. Contractor/User Qualification.

Based on the review of this activity agreement and its respective signatures, DOE/NV has confidence that the Laboratories (LANL and LLNL) are qualified to manage and safely conduct nuclear explosive operations at the DAF; that BN is qualified to provide technical, operations and construction support and maintain the DAF; and that WSI is qualified to provide security services including security alarm systems maintenance to the DAF.

6. Special Conditions.

- a. In order to receive, assemble, disassemble, modify, and/or store special nuclear material, the requirements of NTS SOP 5613, Authority to Receive, Assemble, Modify, and Store Special Nuclear Material, shall be met.
- b. Operations at the DAF are currently governed by a set of basis DOE orders, as documented in DAF97-CORR-0295, *DAF Facility Specific Order Compliance Self-Assessment—Clarification Of DAF Basis Orders*. DOE/NV exempted DAF and other nuclear explosive operations from the Work Smart Standards Program until after DAF attains start-up authorization (*DOE Nevada Operations Office, Nevada Industrial Standards Program, Necessary and Sufficient Standards Closure Process Final Report*, September 30, 1996). After DAF start-up, the DAF Manager shall define the set of Necessary and Sufficient standards and/or requirements that provides adequate protection to the workers, public, and the environment. This set of standards shall be approved by DOE/NV. A method to assure compliance with these standards shall be implemented and maintained, and exceptions to the standards shall be documented.
- c. Radiography operations are not permitted until the Readiness Assessments required by HQ/DP-13 Memorandum dated October 7, 1997 have been completed and all resulting pre-start findings have been closed.

7. Reporting of Violations.
  - a. The DAF Manager shall provide timely notification to DOE/NV of any violation or suspected violation of this agreement and shall provide DOE/NV with a corrective action plan to correct the violation and prevent its recurrence. DAF Procedure, DAF-PRC-AD-09, Occurrence Investigation and Reporting, or its successor document, shall be followed.
  - b. The DAF Manager is responsible for assuring that Occurrence Reports are filed in a timely manner in accordance with the requirements of DOE O 232.1, Occurrence Reporting and Processing of Operations Information, and as supplemented in DOE M 232.1-1, same title.
  - c. Price Anderson Amendment Act reporting shall be performed by the organization that is responsible for the potential nuclear activity non-compliance.

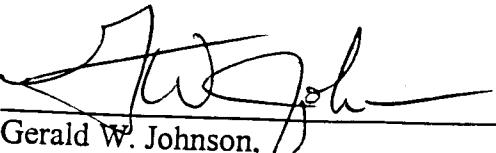
8. Exceptions.

None.

9. Effective Date and Expiration Date.

This activity agreement becomes effective on the date of signature by all parties. It shall be reviewed whenever the DAF Manager is changed and revised if required. It shall remain in effect until it is rescinded or revised.

10. Statement of Agreement.



Gerald W. Johnson,  
Manager, DOE Nevada Operations Office

1-5-99  
Date



Stephen M. Younger,  
Associate Laboratory Director for Nuclear Weapons,  
Los Alamos National Laboratory

12/11/98  
Date

Michael R. Anastasio,

Associate Director for Defense & Nuclear Technologies,  
Lawrence Livermore National Laboratory

Date

John T. Mitchell,

General Manager, Bechtel Nevada

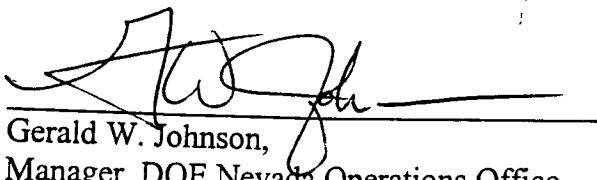
Date

Walter N. Ferguson,

General Manager, Wackenhut Services Incorporated

Date

10. Statement of Agreement.

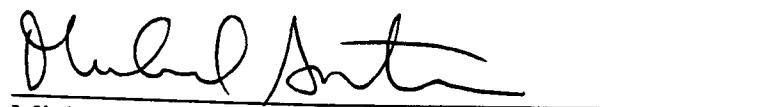


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Michael R. Anastasio,  
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Lawrence Livermore National Laboratory

1/4/99  
Date

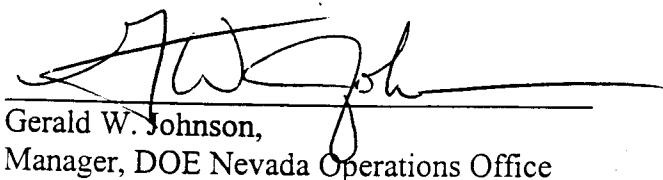
John T. Mitchell,  
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Gerald W. Johnson,  
Manager, DOE Nevada Operations Office

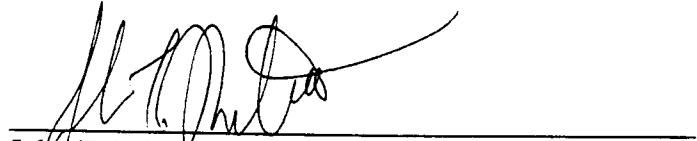
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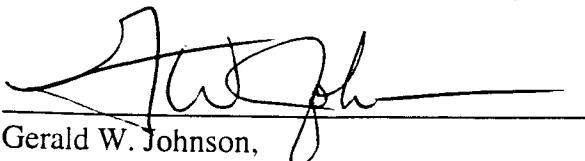
John T. Mitchell,  
General Manager, Bechtel Nevada

9 Dec 98  
Date

Walter N. Ferguson,  
General Manager, Wackenhut Services Incorporated

Date

10. Statement of Agreement.



Gerald W. Johnson,  
Manager, DOE Nevada Operations Office

1-5-99  
Date

Stephen M. Younger,  
Associate Laboratory Director for Nuclear Weapons,  
Los Alamos National Laboratory

Date

Michael R. Anastasio,  
Associate Director for Defense & Nuclear Technologies,  
Lawrence Livermore National Laboratory

Date

John T. Mitchell,  
General Manager, Bechtel Nevada

Date



Walter N. Ferguson III,  
General Manager, Wackenhut Services, Incorporated

December 2, 1998  
Date

## RESPONSIBILITY MATRIX

Integrated Safety Management Core Functions	Work Phases	Work Phase Descriptions	
		Define Scope of Work	Plan Work
• Define the Scope of Work	Define Scope of Work	Work Scope will be adequately defined to permit requisite cost estimating, scheduling safety analysis, etc. Information will be used in the DOE Nevada Operations Office's (DOE/NV) screening process to determine compatibility with DOE/NV's Strategic Plan.	Work will be sufficiently planned to ensure that all participant activities are coordinated to facilitate start-up or continued performance. In this phase, hazards will be analyzed, standards identified, and controls established.
• Analyze the Hazards	Plan Work		
• Develop and Implement Hazard Controls and Authorize Work	Approve Work Initiation		Work will be formally approved prior to initiation based upon appropriate authorization documentation.
Perform Work—Maintenance of Capability Phase		Work will be performed in accordance with authorization basis documentation to maintain the capabilities for an experiment, drill, exercise, operation, etc.	
Perform Work—Operations Phase		Work will be performed in accordance with authorization basis documentation to prepare and/or conduct an experiment, drill, exercise, or operation. Activities in this phase normally include experiments, specific construction, mining, instrumentation installation, normal operations, etc.	
Perform Work—Special Operations Phase		Special operational activities will be managed and controlled in a manner that ensures the safe conduct of the overall facility/operation. Special operations differ from the normal operations phase in that these operations may introduce a temporary change in the safety envelope that must be approved and managed in concert with the overall facility/operation.	
Perform Work—Test Execution Phase		Specific test execution activities, as determined by DOE/NV, will be managed and controlled in a manner prescribed by DOE/NV that ensures the safe conduct of the test.	
Perform Work—Occurrence Phase		Any classification of occurrence will be handled in accordance with DOE O 151.1 and O 232.1A and appropriate Emergency Operations/Occurrence Reporting plans and procedures.	
Perform Work—Post Operations Phase		The work environment, if no longer intended to be used, will be restored to a condition mutually acceptable to the DOE/NV and the user.	
• Feedback and Continuous Improvement	Information flow and Improvement	Work will be appropriately monitored and validated to ensure conformance with authorization basis commitments. Lessons Learned will be incorporated into appropriate management systems.	

# **Facility/Operation: DEVICE ASSEMBLY FACILITY (DAF)**

**Prepared by: Richard L. Higgs, DAF Manager, LANL**

**Approved by: Joseph N. Fiore, AMNS, DOE/NV**

**Revision # 0**

**Date: September 3, 1998**

## **Define Scope of Work**

Workscope will be adequately defined to permit requisite cost estimating, scheduling, safety analysis, etc. Information will be used in NV's screening process to determine compatibility with NV's Strategic Plan.

Responsibilities	DOE/ NV	M&O	National Labs	Other Federal Agencies	Other NTS Users	Other DOE/NV Contractors	Comments
Establishes operational conditions for use of NV resources.	X						Organization sponsoring work will be responsible for defining the work scope to be performed.
Defines proposed work scope and user requirements.		X					
Documents proposed work scope based upon user requirements.			X				Any organization can provide technical support in the preparation of workscopes. Support must be provided in accordance with requisite financial accounting practices. The end product is the sole responsibility of the proposing organization.
Provides technical support to users in the development of work scope.				X			
Reviews proposed work scope for viability and completeness.					X		
Provides guidance in developing workscopes.						X	
Defines public and regulatory interfaces.							

## Plan Work

Work will be sufficiently planned to ensure that all participant activities are effectively coordinated to facilitate start-up or continued performance. In this phase, hazards will be analyzed, standards identified, and controls established.

Responsibilities	DOE/NV	M&O	National Labs	Other Federal Agencies	Other NTS Users	Other DOE/NV Contractors	Comments
Initiates formal request to DOE/NV to perform new work or significant changes* to existing work. Reference Procedural Instruction 97-005.			X				Needs to be completed as early as possible in the planning stage to ensure the effective involvement of DOE/NV support personnel who can help remove barriers to work initiation. Process defined in Procedural Instruction 97-005.
Prepares plans and other documents such as:				X			
• Project/ Operations Plan				X			
• Financial Plan				X			
• Subcontracting Plan					X		
• Hazard Analysis and Controls Identification						X	
• Quality Assurance Plan						X	
• Configuration Management Plan						X	
• Training Plan						X	
• Emergency Management Plan						X	
• Occurrence Reporting Plan						X	
• Waste Management Plan						X	
• Transportation Plan						X	
• Security Plan						X	Property accountability by the organization that procures the property.
• Property Management Plan						X	Not Applicable.
• Decontamination/ Decommissioning Plan							

Responsibilities	DOE/NV	M&O	National Labs	Other Federal Agencies	Other NTS Users	Other DOE/NV Contractors	Comments
Provides Project/ Operations Manager and subject matter experts to facilitate timely work initiation.	X	X	X				National Labs provide DAF Manager, who is the principal DAF Project/Operations Manager. Project managers for each organization assure that organizational assets are appropriately applied and conflicts resolved.
Provides cost and schedule estimates for support services.		X	X				Labs are primary, and provide the roll-up including contractor estimates and schedules.
Establish requirements for independent risk analysis of selected proposed workscopes.			X				
Identifies and submits formal changes to the authorization basis to DOE/NV for approval.				X			

\* significant changes refers to work in which proposed changes will introduce new or greater hazards in the safety envelop that was defined and approved for the original work, or funding changes that exceed change control thresholds.

## Approve Work Initiation

Work will be formally approved prior to initiation based upon appropriate authorization documentation.

Responsibilities	DOE/NV	M&O	National Labs	Other Federal Agencies	Other NTS Users	Other DOE/NV Contractors	Comments
Reviews and approves work scope, authorization basis, and authorizes the work.	X						DOE/NV must approve new work and significant changes to existing work, where additional funding or new hazards are identified. Approval of work to proceed will be based on a review of the authorization basis documentation.
Assumes the role of Facility/ Operations manager unless formally delegated/ assigned to a user.				X			The organization that assumes this role also assumes the accountability for the safe conduct of all operations within the purview of the Facility/ Operation.
Issues an operations permit or other document to facilitate coordination of all NTS activities.	X						
Reviews and/or approves changes proposed to existing authorization basis & authorizes the work.		X					Approval for NESS changes rests with DP-20.

## Perform Work – Maintenance of Capability Phase

Work will be performed in accordance with authorization basis documentation to maintain the capabilities for an experiment, drill, exercise, operation, etc.

Responsibilities	DOE/NV	M&O	National Labs	Other Federal Agencies	Other NTS Users	Other DOE/NV Contractors	Comments
Maintains overall responsibility for safety and the environment.	X						While responsibility for employee safety can be shared with other organizations, it cannot be delegated.
Maintains safety responsibility for own organizational employees.	X	X	X	X	X	X	Each organization responsible for their own employees within the context of the overall safety programs established by the lab.
Serves as Facility/ Operations Manager responsible for establishing safety requirements, ensuring the adequacy of safety programs, and ensuring safety coordination.			X				
Provides day-to-day technical direction to the supporting M&O in concert with DOE/NV's contract direction.			X				
Coordinates all activities on the NTS to avoid impacts with other activities through 24 hour presence on NTS.	X						
Provides capability to report occurrences/ emergencies to DOE/NV's 24 hour duty officer.				X		X	Labs provide a duty officer through a formal program as a technically capable decision maker to supplement the 24 hour presence of SPOs in the DAF PAS provided by Wackenhut Services, Inc. (WSI).

## **Perform Work – Operations Phase**

Work will be performed in accordance with authorization basis documentation to prepare and/or conduct an experiment, drill, exercise, operation. Activities in this phase normally include experiment specific construction, mining, instrumentation installation, etc.

Responsibilities	DOE/NV	M&O	National Labs	Other Federal Agencies	Other NTS Users	Other DOE/NV Contractors	Comments
Maintains overall responsibility for safety and the environment.	X						While responsibility for employees can be shared with other organizations, it cannot be delegated.
Maintains safety responsibility for own organizational employees.	X	X	X	X	X	X	Each organization responsible for their own employees within the context of the overall safety programs established by the lab.
Serves as Facility/ Operations Manager responsible for establishing safety requirements, ensuring the adequacy of safety programs, and ensuring safety coordination.			X				
Provides day-to-day technical direction to the supporting M&O in concert with DOE/NV's contract direction.				X			
Coordinates organizational activities on the NTS to avoid impacts with other organizational activities through 24 hour presence on the NTS.							
Provides capability to report occurrences/emergencies to DOE/NV's 24 hour duty officer.				X			

## Perform Work – Special Operations Phase

Special operational activities will be managed and controlled in a manner that ensures the safe conduct of the overall facility/operation. Special operations differ from the normal operations phase in that these operations may introduce a temporary change in the safety envelope that must be approved and managed in concert with the overall facility/operation.

Responsibilities	DOE/NV	M&O	National Labs	Other Federal Agencies	Other NTS Users	Other DOE/NV Contractors	Comments
Maintains overall responsibility for safety and the environment.			X				While responsibility for employees can be shared with other organizations, it cannot be delegated.
Maintains safety responsibility for own organizational employees.	X	X	X	X	X	X	Each organization responsible for their own employees within the context of the overall safety programs established by the lab.
Analyze unique hazards and identify specific controls.			X				
Ensures that safety and technical readiness aspects are ready for operations to begin.			X				
Authorizes user operations.				X			
Conducts user operations.				X			
Supports user operations.				X			
Assures all safety hazards have been mitigated and resumption of normal activities can be authorized.				X			
Authorizes the resumption of normal facility operations.				X			
Provides capability to report occurrences/emergencies to DOE/NV's 24 hour duty officer.				X			*

Specific test execution activities, as determined by DOE/NV will be managed and controlled in a manner prescribed by DOE/NV that ensures the safe conduct of the test.

## Perform Work – Test Execution Phase

## Perform Work – Occurrence Phase

Any response to and classification of occurrence will be handled in accordance with DOE O 151..1 & O 232.1A and appropriate Emergency Operations/Occurrence Reporting plans and procedures.

Responsibilities	DOE/NV	M&O	National Labs	Other Federal Agencies	Other NTS Users	Other DOE/NV Contractors	Comments
Maintains safety responsibility for own organizational employees.	X	X	X	X	X	X	Each organization responsible for their own employees within the context of the overall safety programs established by the lab.
Ensures that all organizational employees are trained and familiar with the facility/operations emergency plans and procedures.			X				This responsibility is always assigned to the organization that is the designated "owner" of the facility/operation.
Ensures appropriate Price Anderson Amendment Act (PAAA) Reporting.		X	X		X	X	PAAA reporting is performed by the organization that is responsible for the potential nuclear activity non-compliance.
Categorizes occurrences as Unusual Occurrences, or Off-Normal Occurrences and reports in accordance with Occurrence reporting plans and procedures per DOE O 232.			X				
Functions as the Local Emergency Director per DOE O 151.				X			
Functions as the Incident Commander per DOE O 151.			X				
Coordinates emergency response activities outside the facility boundaries.			X				
Provides 24 hour response capability to meet required occurrence/emergency reporting capability.				X			

## Post Operations Phase

The work environment, if no longer intended to be used, will be restored to a condition mutually acceptable to the DOE/NV and the user.

Responsibilities	DOE/ NV	M&O	National Labs	Other Federal Agencies	Other NTS Users	Other DOE/NV Contractors	Comments
Maintains responsibility for own organizational employees.	X	X	X	X	X	X	Each organization responsible for their own employees.
Develops plans to affect adequate site restoration when use termination is anticipated.			X				Safety of employees and protection of the environment will be primary considerations in restoring sites upon completion of use.
Approves restoration plans.	X			X			
Implements restoration plan.			X				
Performs final inspection and acceptance of restoration results.		X					
Provides 24 hour response capability to meet required occurrence/emergency reporting capability.				X			

## Information Flow & Improvement

Work will be appropriately monitored and validated to ensure conformance with authorization basis commitments. Lessons Learned will be incorporated into appropriate management systems.

Responsibilities	DOE/NV	M&O	National Labs	Other Federal Agencies	Other NTS Users	Other DOE/NV Contractors	Comments
Ensures contractor/ user organization implements an adequate self assessment program that reflects commitments documented in the authorization basis.	X						
Validates results of contractor/user self-assessment program results.	X						
Implements an adequate self-assessment program.	X	X	X Principal	X	X	X	Standard practices provide organizational self-assessment programs.
Implements an effective lessons learned program to improve future performance.	X	X	X	X	X	X	Standard practices provide organizational lessons learned programs.
Provides input to DOE/NV on M&O support service performance.			X	X			The contractor provides self-assessment input where the Labs provide independent input as the customer.
Assesses M&O Contractor performance for fee determination.	X						